Actions Authorized by CD Approval/DOE O 413.3A (Approved 7/28/06)

Preconceptual Planning	Conceptual Design	Preliminary Design	Final Design	Construction	Operations
❖	❖	❖	❖	❖	
CD-0	CD-1	CD-2	CD-3	CD-4	
Approve Mission Need	Approve Alternative Selection and Cost Range	Approve Performance Baseline	Approve Start of Construction	Approve Start of Operations or Project Completion	

Actions Authorized by Critical Decision Approval

CD-0	CD-1	CD-2	CD-3	CD-4
• Proceed with Conceptual Design • Request PED funding • Start monthly PARS and Quarterly Project Performance Rpting	• Allow Expenditure of PED Funds for design • Approval of long-lead procurement if necessary	• Establish Performance Baseline • Continue design • Request construction funding	• Approve expenditure of funds for construction	• Allow start of operations or project completion

Prerequisite Activities for Critical Decisions

CD-0	CD-1	CD-2	CD-3	CD-4
• Review of Mission Need Statement (MSN). Review by Office of Program Analysis and Evaluation (CF-20) for $100M or greater. • Perform Mission Need Independent Project Review (IPR) for Major System (MS) projects (>=$750K) • Perform Pre-conceptual Planning • Evaluate Information Technology (IT) projects with Departmental Enterprise Architecture framework	• Review of Acquisition Strategy (AS) (OECM review for MS project) • Design Review of Conceptual Design • Assess Requirements Analysis, Risk Analysis, Alternative Analysis, and Value Management. • Appoint FPD • Establish and charter Integrated Project Team • Ensure compliance with One-for-One Replacement requirement for building square footage • Ensure Integrated Safety Management Implementation • Ensure consideration for High Performance Sustainable Building • Assess QA Program is acceptable	• Perform Baseline External Independent Review (EIR) and validation by OECM for $100M or greater or Program IPR for $20M to less than $100M • Perform Independent Cost Review or Independent Cost Estimates for MS project as part of OECM EIR • Design Review of Preliminary Design • Establish compliant project EVMS for $20M or more, and certifiable EVMS for project TPC with $50M or more • Value Engineering (as applicable) • Incorporate High Performance Sustainable Building provisions into design • Determine QA Program is acceptable	• Perform Executability EIR by OECM for MS projects • Perform IPR for Non-MS projects	• Verify Key Performance Parameter or Completion Criteria achieved • Perform Readiness Assessment or Operational Readiness Review • Revise environmental management system. Post CD-4 Closeout • Perform Final Administrative & Financial Closeout • Conduct Post Implementation Review for IT projects

Additional Prerequisite Activities / Documents for Hazard Category 1, 2, and 3 Nuclear Facilities

CD-0	CD-1	CD-2	CD-3	CD-4
	• Perform Technical IPR • Prepare Conceptual Safety Design Report (SDR) • Prepare Safety Evaluation Report (SER)	• Prepare Preliminary SDR • Prepare SER	• Prepare Preliminary Documented Safety Analysis Report (SAR) • Prepare SER	• Prepare Documented SAR with Technical Safety Requirements • Prepare SER

Prerequisite Documents

CD-0	CD-1	CD-2	CD-3	CD-4
• MNS • Tailoring Strategy	• Conceptual Design Report • Acquisition Strategy • Preliminary PEP, • Preliminary Hazard Analysis (HA), • Preliminary Security Vulnerability Assessment Report (SVAR) • Risk Management Plan • Risk Assessment • Initial Cyber Security Plan for IT projects.	• Preliminary Design • Updated PEP • Updated HA (Approved at Field Level) • Updated Preliminary SVAR • Performance Baseline • Updated Risk Assessment • NEPA Documentation • Updated Initial Cyber Security Plan for IT projects	• Final Design • Updated CD-2 Documents • Updated QA Program • An Approved Construction Project Safety and Health Plan • Updated Cyber Security Plan for IT projects	• Checkout, Testing and Commissioning Plan • Project Transition/ Closeout Plan • Transition-to-Operations Plan • Finalized QA Plan, SVAR, HA Report, Construction Project Safety and Health Plan, • Finalized Cyber Security Plan for IT projects and completed Certification and Accreditation, as required Post CD-4 Closeout • Final Project Closeout Rpt • Lessons Learned Report • Required Operational Documentation

Budget Related Documents

• After CD-0 approval, Exhibit 300 for Projects =>$20M: Annual submission initiated during the federal budget cycle when funds are requested.

• Project Data Sheets: Annual submission initiated during the federal budget cycle when TEC funds are requested.